Data Sheet

We make sure

FUJITSU COMPUTERS SIEMENS

PRIMERGY TX150 S5

Mono socket Dual-Core Tower Server
Low computing complexity with great data safety

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Pages 2

PRIMERGY TX Tower Servers ensure carefree and continuous operation with proven data center technology. Their design for maximum ease of use and ease of management has been honored with industry design awards in 2003 and 2004. The latest processor generation combined with innovative air flow cooling technology ("Cool-safe™") assure a long life and the highest possible performance at work. And as your business grows, so do our PRIMERGY towers, providing plenty of headroom for expansion so that you benefit longer from your investments in PRIMERGY tower servers.

For corporate workgroups and remote sites, PRIMERGY TX servers ensure less troubleshooting and lower costs with their complete PRIMERGY ServerView Suite remote management functions – flexible management from anywhere at any time. Since corporate infrastructure is subject to consolidation changes, our universal tower-to-rack conversion kit protects your investment by prolonging the system's lifecycle.

The flexible custom supply model and our build-to-order process mean that only fully built and pre-tested solutions are shipped to customers, who can select from a broad family of tower models to meet their individual needs.

PRIMERGY TX150 S5

The PRIMERGY tower server with the brand-new Intel® Xeon® dual core processor even quicker, yet has a lower clock rate and power consumption. This is achieved both with a 1066 MHz FSB clock rate and (mainly) with to Intel's new state-of-the-art multi-core optimized microarchitecture. A server with this processor proves to be a particularly powerful system that can respond positively to your requirements. Enhance your efficiency when it comes to simultaneous execution of multiple applications and downloading mass data. The processor with the Intel® 3000 chipset also supports EM64 technology. This fifth-generation tower server combines high performance with even less noise. The SAS or SATA hot-plug hard disks can be replaced easily while the server is in operation. Both variants offer high data security thanks to built-in RAID 1 functionality. The standard iRMC (Integrated Remote Management Controller) offers enhanced system management, based on IPMI 1.5 technology, and the redundant power supply module further increases operational reliability. The familiar, well-tried Intel Pentium® D (Dual-Core) processor round out the offering.

intel Xeon inside™

Key Features	Benefits
■ ECC, mirroring (RAID 1), integrated for SAS/SATA hard disks	■ High security against physical loss of data
■ Hot-plug functionality is available as option for the most important system components: Hot-plug HDD infrastructure (standard) Hot-plug redundant PSU (optional)	■ Tailor made availability, offers the security level which is recommended by your individual application demands
■ Dual-Core processor, provides two execution cores (each 2 MB Cache) in one physical processor	■ Allowing the platform to do more in less time, IT departments can consolidate applications and more effectively employ the server
■ Intel® Xeon® dual core processor – high performance, yet low power requirements	■ Less power consumption and noise

Type	Mono Socket Tower Server
System board	D2399
Chip set	Intel® 3000
Processors	Intel® Pentium® D (dual core) / Intel® Xeon® (dual core)
Type / Frequencies (GHz)	925(3.0), 945(3.4) / 3040(1.86), 3050(2.13), 3060(2.40)
Front-Side-Bus	800 MHz, 1066 MHz
Second-Level-Cache	2x2 MB / 2 MB, 4 MB (3060) ECC
Memory	
512 Mbyte - 8 Gbyte ECC PC2-4200 DDR2 SDRAM; 4 slots; (512 Mbyte, 1 Gbyte, 2 Gbyte) Mix and match possible; with dual channel operation better performance (2 capacity equal modules necessary). Single channel (1 module) configuration possible.	
Flash-EPROM	
Local BIOS update via bootable USB device or opt. floppy disk; Remote BIOS update via LAN (Global Flash tool) and optional RemoteView Service Board functionality).	
Interfaces	
Serial	1 x serial RS-232-C (9-pin) 1 x serial RS-232-C (9-pin) (optional)
Centronics (parallel)	1 x 25-pin, EPP/ECP compatible (opt.)
Keyboard, Mouse	2 x PS/2
USB 2.0	1 x front, 2 x back 1 x internal for backup drives
Graphics	1 x VGA (15-pin)
LAN	1 x RJ45, 1 x service LAN (10/100 Mbit/s)
Onboard controller **	
IDE	1 x ATA100 (1 channel for 2 drives DVD / DVD-RW)
SAS variant (LSI 1068)	8 port SAS for internal HDD´s and internal backup devices with RAID 1 (Integrated Mirroring Enhanced also for odd numbered HD´s for Windows and Linux)
SATA variant (Intel® ICH7R)	4 port for internal HDD`s with RAID 0, 1, 10 for Windows and Linux
LAN (Broadcom BCM5721)	Ethernet 10/100/1000 Mbit/s (PCE-Boot via LAN from PXE server)
Graphics	Matrox G200 integrated in iRMC
Server management	Baseboard Management Controller BMC and iRMC, IPMI 1.5 compatible
PCI Controller **	
RAID 5 Controller	SAS ZCR (Zero Channel Controller), optional LSI SATA RAID 5 Controller
Hard disk drives	36, 73, 146 Gbyte SAS (hot-plug) **or** 80,160, 250, 500 Gbyte SATA (hot-plug)
1 Gbyte equals one billion bytes when referring to hard disk drive capacity; accessible capacity may vary.	
I/O Slots: 2 x PCI-X 64-bit / 66 MHz, long; (3,3 V); 1 x PCI 32-bit / 33MHz, long (5V); 2 x PCI-Express, 1 x PCIe x1; 1 x PCIe x8 (x4 wired)	
Drive bays	
for hard disks **SAS/SATA variant**	4 x 3.5/1-inch, for hot-plug SAS/SATA (in slide-in chassis) + 2 HDD box for SAS only (optional)
for accessible drives	3x 5.25/1.6-inch, one bay is occupied by DVD or DVD-RW
for floppy disk drive	1x 3.5/1-inch, occupied by FDD (optional)

Electrical values	
1x standard or 2x optional redundant hot-plug power supplies	
Output power	400 W / 1 + 1 x 400 W each
Rated voltage range	100 - 240 V
Rated frequency	50-60 Hz
Max. rated current	100 V - 240 V / 6 A – 3 A
AC output	- / -
Rated current in basic configuration	100 V - 240 V / 1.9 - 0.8 A
Active power	260 W
Apparent power	269 VA
Heat emission	936 kJ/h (887 btu/h)
Temperature/Noise/Dimension/Weight	
Ambient temperature	10°C - 35°C (DIN EN 60721)
Declared noise in according with ISO 9296	idle / operating
Sound pressure L_{pAm}	31 db(A) / 34 db(A)
Sound power L_{WAd}	4.8 B / 5.2 B (1 BEL = 10 db)
Dimension of floor-stand (HxWxD)	444 * 205 * 605 mm, incl. all plastics
Weight	approximately 28 kg
Compliance with Norm and Standards	
Product safety	
Global	IEC 60950
Europe	EN 60950
USA	UL 60950 3rd. Ed.
Canada	CAN/CSA-C22.2 No. 60950 3rd. Ed.
Electro magnetic compatibility	
Europe	EN 55 022 class A, EN 55024, EN61000-3-2 / -3
USA / Canada	FCC class A
Declaration of conformity	
Europe (CE)	89/336/EEC; 73/23 EEC
North America	FCC class A
Approvals	
Product safety	
Global	CB
Europe	CE
USA / Canada	CSA_{US} / CSA_{C}
There is general compliance with the safety requirements of all European countries and North America. National approvals required in order to satisfy statutory regulations or for other reasons, can be applied for on request.	
Supported operating systems	
Microsoft® Windows® Server 2003, Web Edition Microsoft® Windows Server™ 2003 R2, 32-bit Standard Edition Microsoft® Windows Server™ 2003 R2, 32-bit Enterprise Edition Microsoft® Windows Server™ 2003 R2, Standard x64 Edition Microsoft® Windows Server™ 2003 R2, Enterprise x64 Edition Microsoft® Windows® Small Business Server 2003, Stand. Edition SUSE: x86 SLES 9 / SUSE EM64T SLES 9 Red Hat: x86 EL 4.0 / Red Hat: EM64T EL 4.0	
* No application support ** For supported controllers (onboard and PCI cards for SCSI, SAS, RAID, LAN, WAN, etc.), please refer to the corresponding system configurator.	
Server Management (see separate data sheets)	
Standard	PRIMERGY ServerView Suite; PDA, ASR&R
Optional	RemoteView and Integrated RSB Advanced Pack

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